2 ... compatible.

Information
Storage
Systems, Inc.

728
STORAGE CONTROL UNIT

ISS

ISS 728 STORAGE CONTROL UNIT

The ISS 728 Storage Control Unit is designed to offer IBM compatibility conscious users the first suitable alternative to the IBM 2314 facility. ISS does this with the 728 Storage Control Unit and the ISS 714 Disk Storage Drive. Functionally identical to the 2314, the 714/728 combination provides the first truly plug compatible sub-system available.

COMPATIBILITY

The ISS 728 offers more than simple data compatibility. The full command set of the IBM 2314 is included in the ISS 728, and it is plug compatible with the IBM 360 selector channel.

FLEXIBLE ADDRESS SELECTION

Users of the 728 and the Model 714 Disk Storage Drive find the changeable logical address an advantage in their operations. The logical address of the drive is easily changed by the operator with an address selection plug on the front of the disk drive.

IN-LINE DIAGNOSTICS

This feature of the 728 allows for disk drive analysis concurrent with normal control unit operations. Servicing and repair of disk drives is accomplished within the normal operating cycle of the 714/728 sub-system.

RELIABILITY

The latest industry techniques are used to build reliability into the 728. MSI (Medium Scale Integration) electronics are employed along with other proven logic families. For every control unit cycle, two independent Arithmetic Logic Units (ALU's) simultaneously perform each arithmetic or logic function. The outputs are then cross-checked to ensure that the instructions are accurately performed.

SERVICE

Functional logic packaging and a minimum of adjustments ensure ease of service. Preventive maintenance is performed once every six months. Self-contained internal diagnostic micro-programs provide rapid fault isolation within the Storage Control Unit. This means rapid error detection and a minimum of system down time.

ISS CAPABILITY

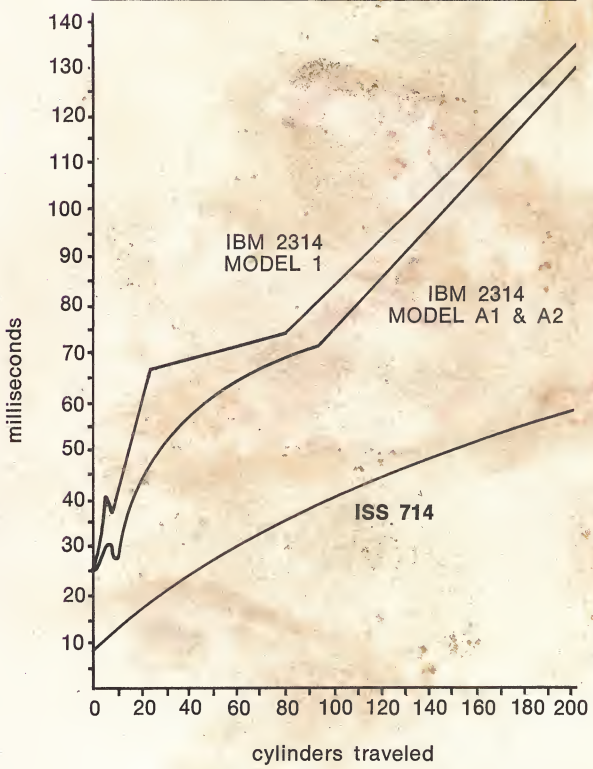
The design of the ISS 728 Storage Control Unit is an example of ISS's degree of competence in control unit design and micro-programming skills. This means that future product developments are covered by an in-depth control unit capability. In addition, specific customer requirements and custom systems are well within the broad capabilities of ISS.

ISS

728 STORAGE CONTROL UNIT

714/728 STORAGE CAPACITY	
No. 714 DRIVES	STORAGE CAPACITY (millions of bytes)
1	29.176
2	58.352
3	87.528
4	116.704
5	145.880
6	175.056
7	204.232
8	233.408
9	SPARE

ACCESS TIME COMPARISON



INFORMATION STORAGE SYSTEMS, INC.
10435 North Tantau Avenue, Cupertino, California 95014
(408) 257-6220

Printed in U.S.A.